

T.A.) 1-11-19 - Temporarily abandoned

8-3-79 - Operations sold to: Naranco, Inc.

P&A 9-6-80



2400 ANACONDA TOWER • 555 SEVENTEENTH STREET • DENVER, COLORADO 80202 • 303-825-6100 • TWX 910-931-2620

October 6, 1978



U. S. Geological Survey
E. W. Guynn, District Engineer
8426 Federal Building
125 South State Street
Salt Lake City, Utah 84138

Re: Filing NTL-6 and A.P.D. Form 9-331C
The Anschutz Corporation
Federal 258 No. 6
C NW NW Sec. 5, T.18S, R.24E
Grand County, Utah

Dear Mr. Guynn:

Enclosed are four copies of our preparation of the NTL-6 program and the A.P.D. Form 9-331C for the above captioned well location. One of these copies is to be forwarded to the BLM at Moab, Utah.

Would you kindly set a time with the BLM to go on ground to inspect the well site and notify us accordingly? I will be available for pre-drill inspection when you advise us.

An archaeological report is not included with the NTL-6 report, because this replacement well is staked within 200' of the existing hole. Please inform me if an additional survey is required.

We will appreciate your earliest attention on the above matter.

Please return the enclosed fourth copy to our office with approval and comments.

Very truly yours,

Peter B. Doty
Peter B. Doty
Production Coordinator

PBD:kg
Enclosures:

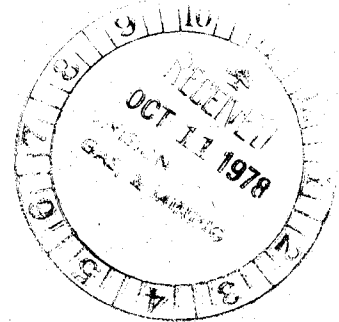
cc: State of Utah
Division of Oil & Gas & Mining



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Enclosures:

cc: State of Utah
Division of Oil & Gas & Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

The Anschutz Corporation

3. ADDRESS OF OPERATOR

555 Seventeenth Street, Suite 2400, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

440' FEL

745' FSL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 8 miles N.W. of Harley Dome, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

440'

16. NO. OF ACRES IN LEASE

1919.52

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80 Acres

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

248'

19. PROPOSED DEPTH

4500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5140' GR

22. APPROX. DATE WORK WILL START*

November 15, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	32.00#	200'	180 Sacks
7 7/8"	4 1/2"	9.50#	4500'	200 Sacks

A variance to Rule C-3 (spacing requirements) is hereby requested for Geological reasons. The offset well, #2 Federal 258, is producing from the Mancos Shale which is a fractured formation and drilling muds from this proposed well may damage the formation so severely that it will effect the offset wells deliverability. Additionally, The Anschutz Corporation owns or controls all of the leases within a 660' radius.

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple

Exhibits Attached:

- A) Location & Evaluation Plat
- B) The Ten-Point Compliance Program
- C) Blow-Out Preventer Diagram
- D) Multi-Point Requirements

- E) Area Access Road & Well Map
- F) Drill Pad Layout, Cut & Fill Sections
- G) Rig Layout
- H) Existing Production Facilities
- I) Rehabilitation Agreement

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Peter B. Doty TITLE Production Coordinator DATE October 6, 1978

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

ACTING DISTRICT ENGINEER

DATE

DEC 01 1978

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPYNECESSARY FLARING OF GAS DURING DRILLING AND
COMPLETION APPROVED SUBJECT TO ROYALTY (NTL 4)

State of Utah

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-14258

OPERATOR: ANSCHUTZ CORP.

WELL NO. 6

LOCATION: 1/4 SE 1/4 SE 1/4 sec. 5, T. 18 S., R. 24 E., SLM

GRAND County, UTAH

1. Stratigraphy: OPERATOR ESTIMATES ARE REASONABLE.

2. Fresh Water: WRD REPORTS NO WELLS IN VICINITY OF THIS TEST BUT THAT USABLE WATER MAY BE FOUND IN THE FERRON SANDSTONE MEMBER, AND OTHER SANDSTONES, OF THE MANCOS SHALE.

3. Leasable Minerals: VALUABLE PROSPECTIVELY FOR COAL IN DAKOTA SANDSTONE. DAKOTA COAL IS LIKELY TO BE THIN, DISCONTINUOUS AND SUBECONOMIC.

4. Additional Logs Needed: NONE

5. Potential Geologic Hazards: NONE ANTICIPATED

6. References and Remarks: MORE THAN 3 MI FROM KGS
USGS FILES SLC, UT.
USGS BULL 852

Signature: MA

Date: 10 - 20 - 78

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-142258Operator The Anschutz CorporationWell No. 6 Federal 258Location SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5 T. 18 S. R. 24 E.County Grand State Utah Field UndesignatedStatus: Surface Ownership Private Minerals FederalJoint Field Inspection Date October 24, 1978

Participants and Organizations:

<u>Rocky Curnutt</u>	<u>BLM - Moab, Utah</u>
<u>Pete Doty</u>	<u>The Anschutz Corp, Coordinator</u>
<u>Mike Brown</u>	<u>Reseeding Reclamation Contractor</u>
<u>Chuck Zimmerman</u>	<u>Dirt Contractor</u>
<u>Mike Zancanella</u>	<u>Surveyor</u>
<u>Ray Foster</u>	<u>USGS</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Related Environmental Analyses and References:

- (1) Unit Resource Analysis -
Book Mountain Planning Unit (06-01)
BLM - Moab
- (2)

Analysis Prepared by: Ray Foster
Environmental Scientist
Salt Lake City, Utah

Date October 24, 1978

*Pad 200 x 300
pit 75 x 125
250' new access
stockpile topsoil
1.6 ac
Flow line not incl
lined pits*

Reviewed by:
George Diwachak
Environmental Scientist
Salt Lake City, Utah

Noted - G. Diwachak

Proposed Action:

On October 10, 1978, The Anschutz Corporation filed an Application for Permit to Drill the No. 6 Federal 258 development well, a 4500-foot oil test of the Summerville formation; located at an elevation of 5140 ft. in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5, T. 18 S., R. 24 E., on Federal mineral lands and private surface; lease No. U-14258. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the controlling surface owner.

The operator proposes to construct a drill pad 200 ft. wide x 300 ft. long and a reserve pit 75 ft., x 125 ft. A new access road would be constructed 16 ft., wide x 250 ft. long from an existing and improved road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

The anticipated starting date is November 15, 1978, and duration of drilling activities would be about 20 days.

Location and Natural Setting:

The proposed drillsite is approximately 25 miles northwest of Mack, Colorado, the nearest town. A fair road runs to within 500 ft. of the location. This well is in an undesignated field.

Topography:

Rugged terrain of dissected hills with narrow canyons. Site is located on a fairly level area, on a slight slope to the north, on nose of small mesa.

Geology:

The surface geology is Mancos shale. The soil is sandy. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geological tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blowout or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinon, juniper association is also present.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1.6 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from west to east. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations of a daily and seasonal basis.

Surface Water Hydrology:

Drainage is to the north into Westwater Creek, a tributary of the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh water

aquifers. The pits would be lined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

Grasses, greasewood, shadscale, sage, cactus, scattered juniper, four wing salt brush. Plants in the area are of the salt-desert-shrub types grading to the pinon-juniper association.

Proposed action would remove about 1.6 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County.

But should this well discover a significant new hydrocarbon source, local, state and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface owner's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the surrounding Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

(1) Not Approving the Proposed Permit -- The Oil and Gas Lease Grants the Lessee Exclusive Right to Drill For, Mine, Extract, Remove and Dispose of All Oil and Gas Deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 1.6 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of

EA No. 016-79

resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the Westwater Creek would exist through leaks and spills.

Determination:

This requested action ~~does~~/does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

Date

11/6/78

E. W. Snyman

District Engineer
U.S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☒

2. NAME OF OPERATOR

The Anschutz Corporation

3. ADDRESS OF OPERATOR

555 Seventeenth Street, Suite 2400, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

440' FEL

745' FSL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

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LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

440'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

248'

16. NO. OF ACRES IN LEASE

1919.52

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80 Acres

19. PROPOSED DEPTH

4500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5140' GR

22. APPROX. DATE WORK WILL START*

November 15, 1978

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PROPOSED CASING AND CEMENTING PROGRAM

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7 7/8"	4 1/2"	9.50#	4500'	200 Sacks

A variance to Rule 3-3 (spacing requirements) is hereby requested for Geological reasons. The offset well, Federal 258, is producing from the Mancos Shale which is a fractured formation and drilling muds from this proposed well may damage the formation so severely that it will effect the offset wells deliverability. Additionally, The Anschutz Corporation owns or controls all of the leases within a 660' radius.

Exhibits Attached:

- | | |
|-------------------------------------|--|
| A) Location & Evaluation Plat | E) Area Access Road & Well Map |
| B) The Ten-Point Compliance Program | F) Drill Pad Layout, Cut & Fill Sections |
| C) Blow-Out Preventer Diagram | G) Rig Layout |
| D) Multi-Point Requirements | H) Existing Production Facilities |
| | I) Rehabilitation Agreement |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Peter B. Doty

TITLE

Production Coordinator

DATE

October 6, 1978

(This space for Federal or State office use)

PERMIT NO.

43-019-30493

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

TABLE I

Estimated Important Geologic Markers

<u>Formation</u>	<u>Depth</u>	<u>Elevation</u>
Mancos	Surface	+ 5140
Base Dakota Silt	3650	+ 1500
Dakota Sand	3700	+ 1450
Cedar Mountain	3725	+ 1425
Morrison	3820	+ 1330
Salt Wash	4154	+ 996
Summerville	4400	+ 750
ETD	4500	+ 650

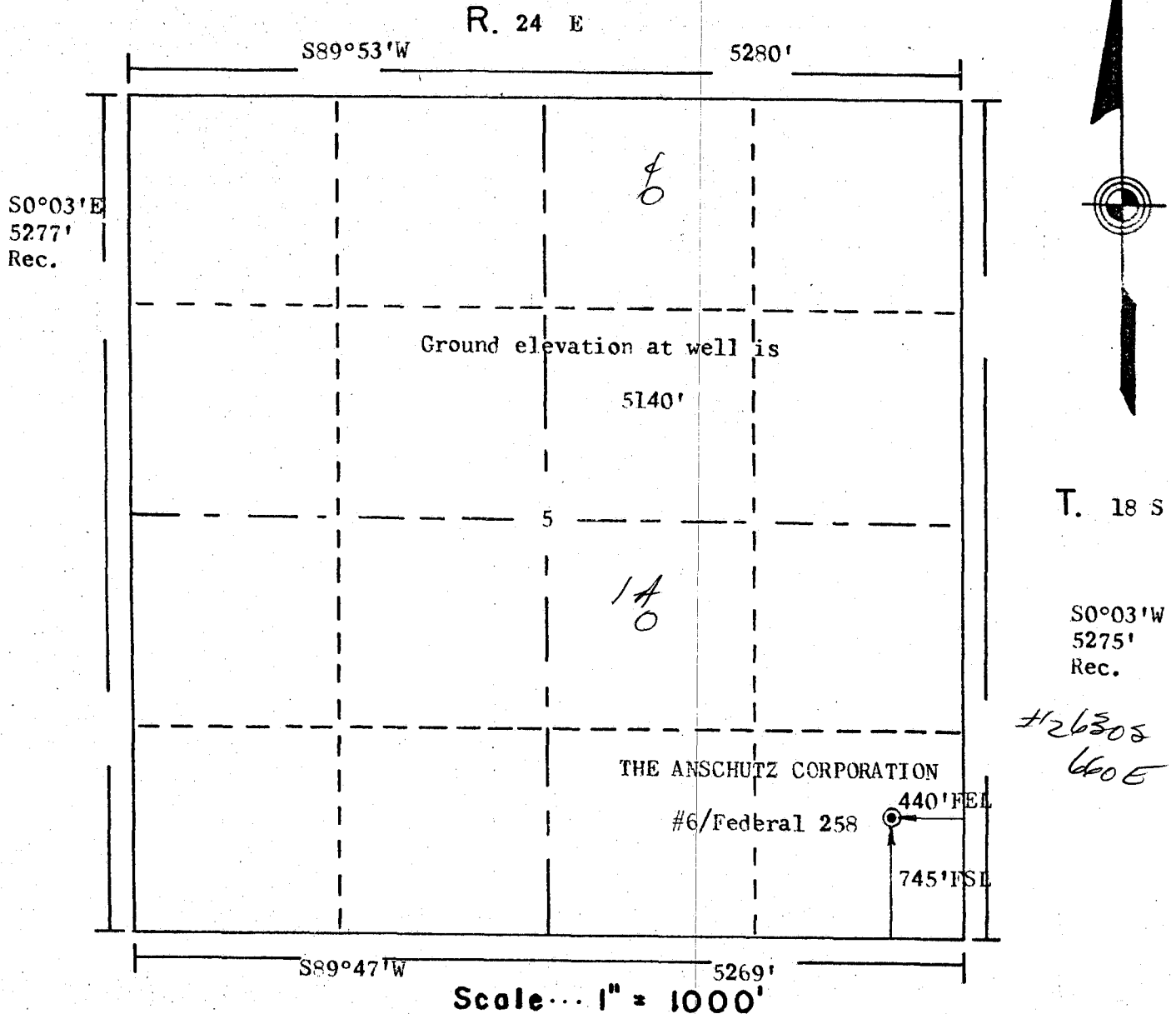
TABLE II

Estimated Depths of Anticipated
Water, Oil, Gas or Minerals

<u>Formation</u>	<u>Depth</u>
Dakota Gas and/or Oil or Water	3700'
Cedar Mountain Gas or Water	3725'
Morrison Gas or Oil or Water	3820'
Salt Wash Gas, Oil or Water	4154'
Summerville Gas or Oil or Water	4400'



EXHIBIT "A"



Powers Elevation Company, Inc. of Denver, Colorado
has in accordance with a request from Pete Doty
for THE ANSCHUTZ CORPORATION
determined the location of #6/Federal 258
to be 745' FSL & 440'FEL
Section 5 Township 18 S
Range 24 E of the Salt Lake Base & Meridian, Utah
Grand County, Utah

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of
#6/Federal 258

Date: 9/20/78

T. Nelson
Licensed Land Surveyor No. LS 2711
State of Utah

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
The Anschutz Corporation

#6-Federal-258
745' FSL 440' FEL
Sec. 5-T18S-R24E
Grand County, Utah

1. The Geologic Surface Formation

This well is situated on the northwestern edge of the Grand Valley. The surface consists of alluvial and colluvial deposits derived from the sedimentary formations which form the steep faces of the Book Cliffs. The surface formation is the dark gray Mancos Shale and the Cliffs are formed from resistant Cretaceous and Tertiary sandstones.

2. Estimated Important Geologic Markers

See Table I

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

See Table II

4. The Proposed Casing Program

The casing program for this well follows: 200 feet of 8 5/8" new K-55, 24# casing will be set in a 12 1/4" surface hole. This will be set with 180 sacks of Class G cement with return flow to the surface.

In the event of production, new 4 1/2", 9.5# production casing will be set in a 7 7/8" hole at T.D. This will be set with 200 sacks of 50-50 Posmix with 2% gel and 2% CaCl₂.

5. The Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for use in these wells. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period. The blind rams and annular preventer will be checked each time pipe is pulled out of the hole. All testings will be recorded in the daily drill sheets. Accessories to BOP's include upper and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of Proposed Muds

- (a) It is planned that each well will be drilled with air from the base of the surface casing to the total depth. If air is abandoned, then (b) and (c) will be used.
- (b) If air drilling is abandoned, then the hole will be drilled with native muds to 4000'.
- (c) From 4000' to TD the hole will be drilled with Chem-Gel with the mud weighted as necessary for good hole conditions. The water loss will be kept from 8 to 12cc and the viscosity between 35 and 45.

7. The Auxilliary Equipment to be Used

- (a) A kelly cock will be kept in the string at all times.
- (b) A float will be used at the bit at all times.
- (c) A gas detecting device will monitor the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly cock is not in the string.

8. The Testing, Logging, and Coring Programs

- (a) All valid shows will be tested. The objective for this well is the Entrada Formation.
- (b) If air drilled, an induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and sidewall neutron porosity logs will be run at the minimum footage. If the hole is fluid filled, a dual induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and compensated neutron logs will be run at the minimum footage.
- (c) No coring is anticipated.

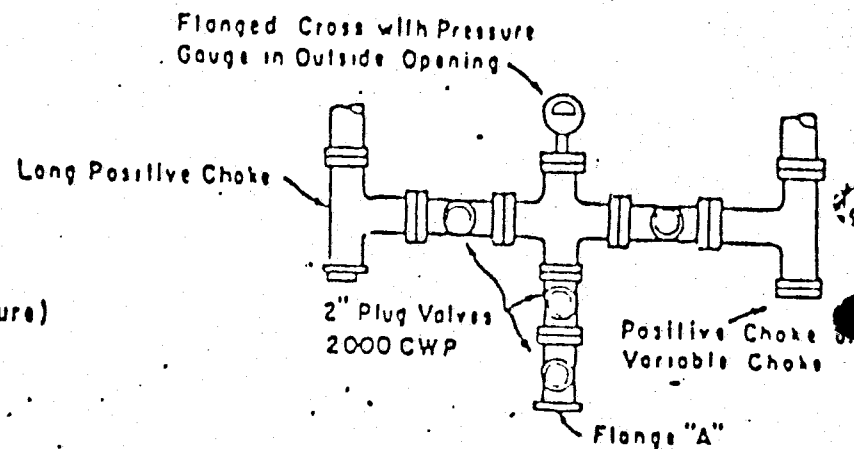
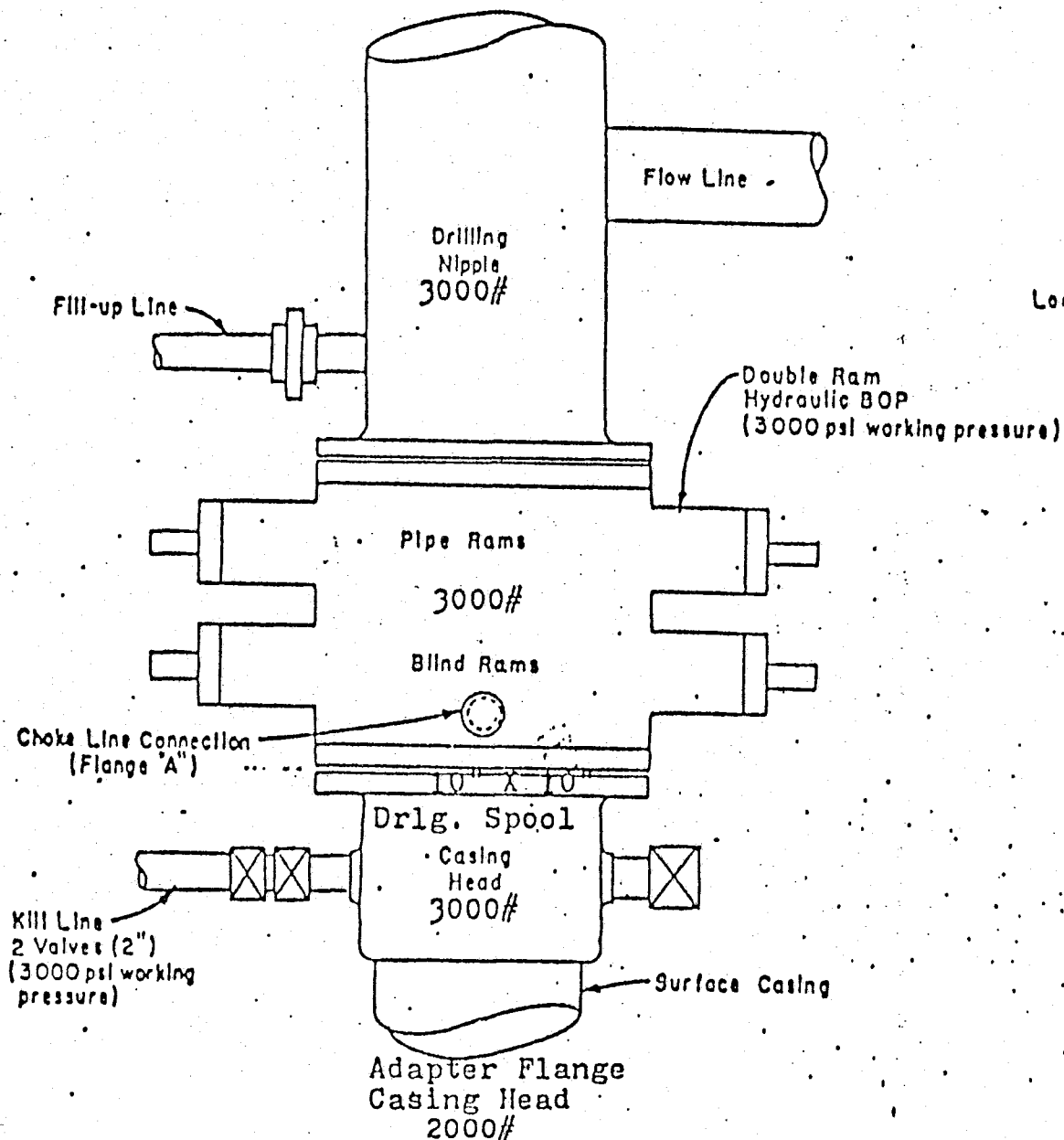
9. Any Anticipated Abnormal Pressures or Temperatures Expected

No abnormal pressures or temperatures have been noted or reported in the wells drilled in this area to these depths. No hydrogen sulphide or other hazardous gases or fluids have been found reported or known to exist at these depths in this area.

10. The Anticipated Starting Date and Duration of Operators

The anticipated starting date is set for November 15, 1978, or as soon as possible after examination of the surface and approval of all drilling requirements.

It is anticipated that this well should be completed within 20 days after spudding.



PLAN VIEW-CHOKE MANIFOLD

Blowout Preventer Diagram
Anschutz Corporation

EXHIBIT "C"

EXHIBIT "D"

MULTIPOINT REQUIREMENTS TO ACCOMPANY APD
ATTACHED TO FORM 9-331C
THE ANSCHUTZ CORPORATION

#6 - FEDERAL - 258
440' FEL - - 745' FSL
SEC. 5, T.18S, R.24E

1. Existing Roads

- A. Exhibit "A", is the proposed well site as staked by Powers Elevation Company, and the ground elevation is shown thereon.
- B. Exhibit "E" is a color coded map used because general features show more prominently than other maps found. One travels 40 miles on I-70 from Thompson, Utah, east to the Harley Dome exit, then proceeds north and east on U. S. 6 and 50. At the Westwater Unit turnoff, it is approximately 11 miles northwest on gravel and dirt road to the location. This location is within 1,000 feet of this road, which can be used in most weather conditions. The blue color in Exhibit "E" indicates this good, passable road.
- C. Exhibit "E" shows the existing usable roads in blue.
- D. This is not an exploratory well.
- E. All known roads in the area are shown in Exhibit "E". Generally, all roads are gravel or hard packed dirt.
- F. There is no plan to improve or maintain existing roads.

2. Planned Access Roads

- (1), (2), (3), (4), (5). The short access road is shown in red in Exhibit "E". This road need not exceed 16 feet, the maximum grade will be less than 1%, and there will be no need for turnouts, drainage design, culverts, or cut and fill.
- (6) No surfacing materials will be needed during drilling operations. If production is obtained, the access roads will be surfaced with local stream gravel.
- (7) Fencing will be strung around the location or a cattle guard will be installed in the existing fenceline.
- (8) The access road will be less than 1,000' in length and therefore does not need to be center line flagged.

3. Location of Existing Wells

A one mile radius from this proposed development well is indicated in Exhibit "E". All known wells and their current status are indicated thereon.

- (1) No known water wells exist in the area.
- (2) Exhibit "E" shows all known wells in the area. The closest dry hole is in the NW 1/4 of the NE 1/4, Section 8, T.18S, R.24E.
- (3), (4), (5). There are no known temporarily abandoned disposal or drilling wells in the area.
- (6) The only producing well in this area is the Anschutz Corporation's well #2-Fed-258, as shown in Exhibit "E", which is offset to this proposed well by 248 feet.
- (7), (8), (9). There are no known shut-in, injection, or observation wells in this area.

4. Location of Existing and/or Proposed Facilities

Existing facilities are shown on Exhibit "G". At present we do not anticipate having to move any of the production equipment with the possible exception of the pumping unit. No additional production equipment is anticipated.

An existing oil flow line from #2-Federal-258 is shown on Exhibit "E" in green.

5. Location and Type of Water Supply

Water, if needed, will be obtained from flowing water in Westwater Creek.

6. Construction Materials

A,B,C,D. No construction materials are needed for drilling operations. The sand, gravel and rock located in situ are adequate for any construction necessary in connection with either dry or producing wells. There are no access routes needed for crossing Indian land. No new access roads or upgrading of present roads on Federal lands is anticipated.

7. Handling Waste Disposals

- (1) Drill cuttings will be buried in the reserve pit when covered.
- (2) Drilling fluids will also be handled in the reserve pit.

7. Handling Waste Disposals - Cont'd

- (3) Any fluids produced while drill stem testing or producing or other testing will be collected in a test tank set near the pipe baskets or near the well head. Any unavoidable spills of oil or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Any sewage will be covered or removed.
- (5) Garbage, waste and non-flammable waste, salts and other chemicals produced or used during drilling or testing will be handled in the reserve pit or kept in the trash or burn pit. The trash or burn pit will be covered with small wire mesh to prevent scattering.
- (6) The reserve pit, in addition to the trash or burn pit, will be fenced on three sides during drilling operations, and iron or other posts and wire fencing will be available on each location immediately upon cessation of drilling and the fourth side of the reserve pit will be fenced prior to full removal of the rig from the location. Any other dangerous or harmful pits or sewage areas will also be fenced or covered at the time rig moved off location. The location will be policed and cleaned up, and rehabilitation of unused areas will be done after the drilling or completion rig has moved off.

8. Ancillary Facilities

No airstrips, camps, or other living facilities will be built or needed.

9. Well Site Layout

- (1) Exhibit "F", is the drill pad layout as staked by Powers Elevation Company. The cut and fill is noted at the corners of the proposed location. The location has been constructed from these contours. The top 6 inches of soil will be stockpiled as shown on the plat.
- (2) The mud tanks, pits, rig orientation, etc. for this well are shown in Exhibit "G". If this well is drilled by air, these facilities may change accordingly.
- (3) Exhibit "H", shows the present facility orientation, parking areas and access road for the location. Rig orientation is shown in Exhibit "F".
- (4) The reserve pit will be lined with Bentonite. Steel mud pits, if used, will be as shown in Exhibit "G".

11. Other Information - Cont'd

environment is presumed to exist.

- (2) Grazing is the only observed current surface use in this area. The location for #4 Federal 258 adjoins an abandoned ranch which at one time supported cultivated crops. The surface ownership is by Frank Spadafore of Montrose, Colorado, and BLM.
- (3) This location is close to a small intermittent stream, as can be seen on the topographic map reproduced in Exhibit "E". However, this location should be far enough from the stream that there will be no danger of contamination from seepage from the reserve pit, and any runoff of oil or chemicals from the drill site will not be permitted (refer to Item 7 above).

It is not anticipated that an archeological survey will be required for this offset location. The original clearance for the #2 Federal 258 should suffice.

The commencement of operations is planned for approximately November 15, 1978, or as soon as possible after approval.

12. Lessee's or Operator's Representative

Peter B. Doty
Production Coordinator
The Anschutz Corporation
555 17th Street
2400 Anaconda Tower
Denver, Colorado 80202

Phone: (303) 825-6100
Res: (303) 427-2873

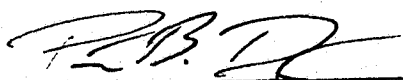
Wayne C. Pierce
Operations Manager
The Anschutz Corporation
555 17th Street
2400 Anaconda Tower
Denver, Colorado 80202

Phone: (303) 825-6100
Res: (303) 794-3860

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by The Anschutz Corporation and its contractors and sub-contractors in conformity with this plan and their terms and conditions under which it is approved.

Date: _____


Name: Peter B. Doty
Title: Production Coordinator
The Anschutz Corporation

10. Plans for Restoration

- (1) Backfilling, leveling and contouring will be accomplished as soon as possible after plugging of the well, or immediately on those areas unused if production is obtained. Waste disposal and spoils materials will be buried or hauled away immediately before rig moves off location.
- (2) Rehabilitation will be accomplished by spreading the banked topsoil over the area and contouring the banks that will be created in this heavily eroded area so that vegetation planted will be best protected from erosion. Revegetation will be accomplished using grasses or mixtures suited best for the dry, arid conditions encountered here. The access roads will be revegetated as needed.
- (3) Prior to rig release, the fourth side of the reserve pit at each drill site will be fenced and maintained until clean up operations are finished.
- (4) Any oil or spills will be immediately cleaned up or flagged.
- (5) Rehabilitation operations will commence as soon as the rig moves off location. However, revegetation will be delayed until the Spring of 1979 or the Fall of 1979 for optimum growth potential.

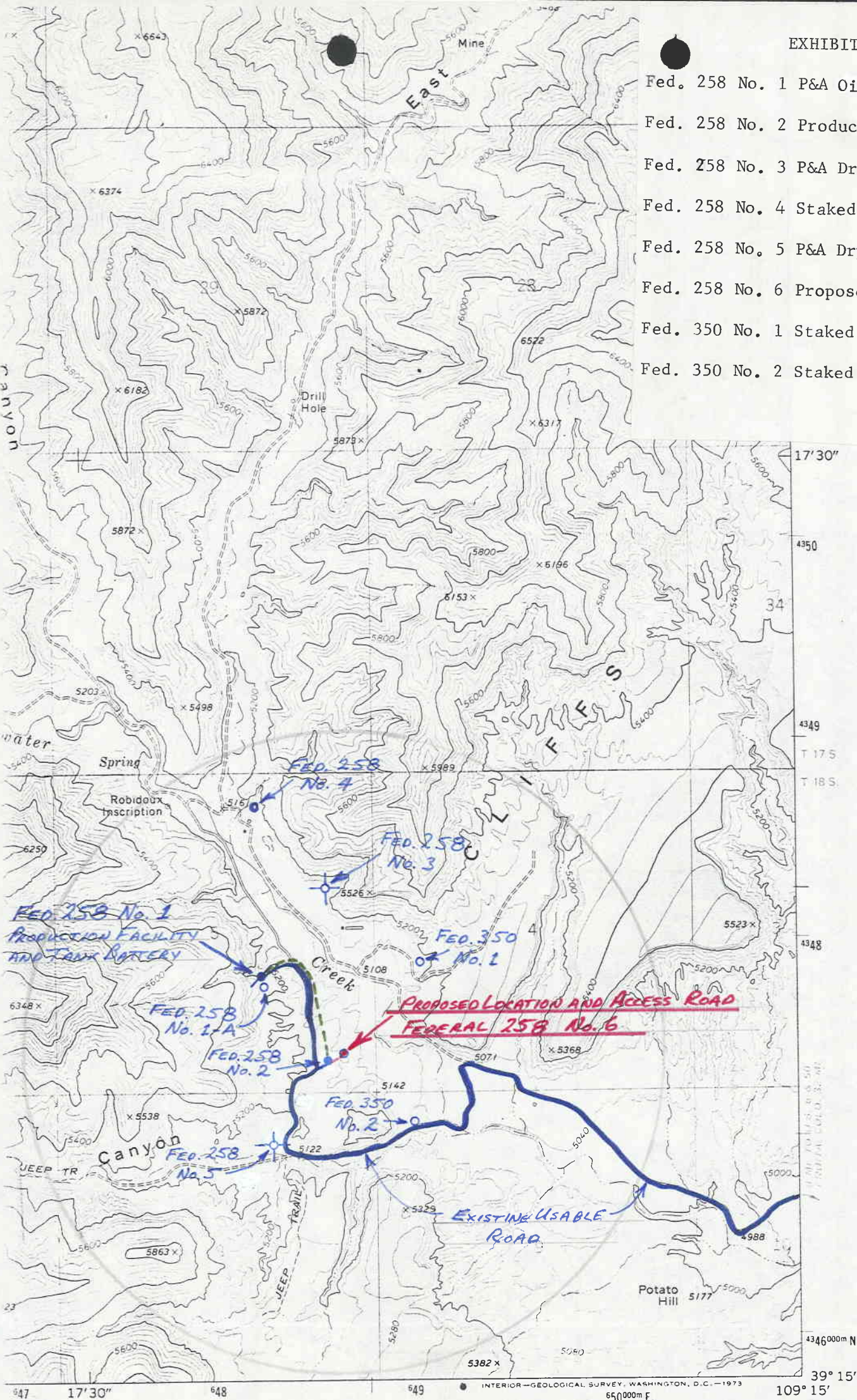
11. Other Information

This well is located on the northwestern edge of the Grand Valley at the foot of the Book Cliffs. The topography of the immediate area grades from flat prairie to gullied hills, steeping with increasing proximity to the Cliffs. Long, narrow canyons, the majority of which carry only intermittent stream flow, form the chief topographic features of the Book Cliffs. This area receives very little annual precipitation; however, as this area is located at the mouth of Hay Canyon, it is subject to flash flooding.

The canyon bottoms and adjacent flatlands are composed predominantly of alluvial and colluvial material consisting of poorly sorted boulders, gravel, sand and silt. The soil on all locations is a sandy, silty clay formed from this material and is primarily derived from the Cretaceous Mancos Shale and the resistant Cretaceous and Tertiary sands forming the cliffs (refer to Item 1 of Exhibit "B").

The Flora at this location consists of sagebrush, tumbleweed, cactus, bunch grass and other sparse grasses, and occasionally Pinyon Pine and Juniper. The vegetation constitutes approximately 40-70% of the ground cover. The remaining exposed soil material is highly erodible. The observed animal population is domesticated sheep and cattle and a few deer, rabbits, snakes and lizards. Other wildlife indigenous to a rugged, semiarid

- Fed. 258 No. 1 P&A Oil Junked
- Fed. 258 No. 2 Producing Oil
- Fed. 258 No. 3 P&A Dry
- Fed. 258 No. 4 Staked
- Fed. 258 No. 5 P&A Dry
- Fed. 258 No. 6 Proposed Location
- Fed. 350 No. 1 Staked
- Fed. 350 No. 2 Staked



ROAD CLASSIFICATION

Primary highway, hard surface	Light-duty road, hard or improved surface
Secondary highway, hard surface	Unimproved road
Interstate Route	U. S. Route
	State Route

UTAH

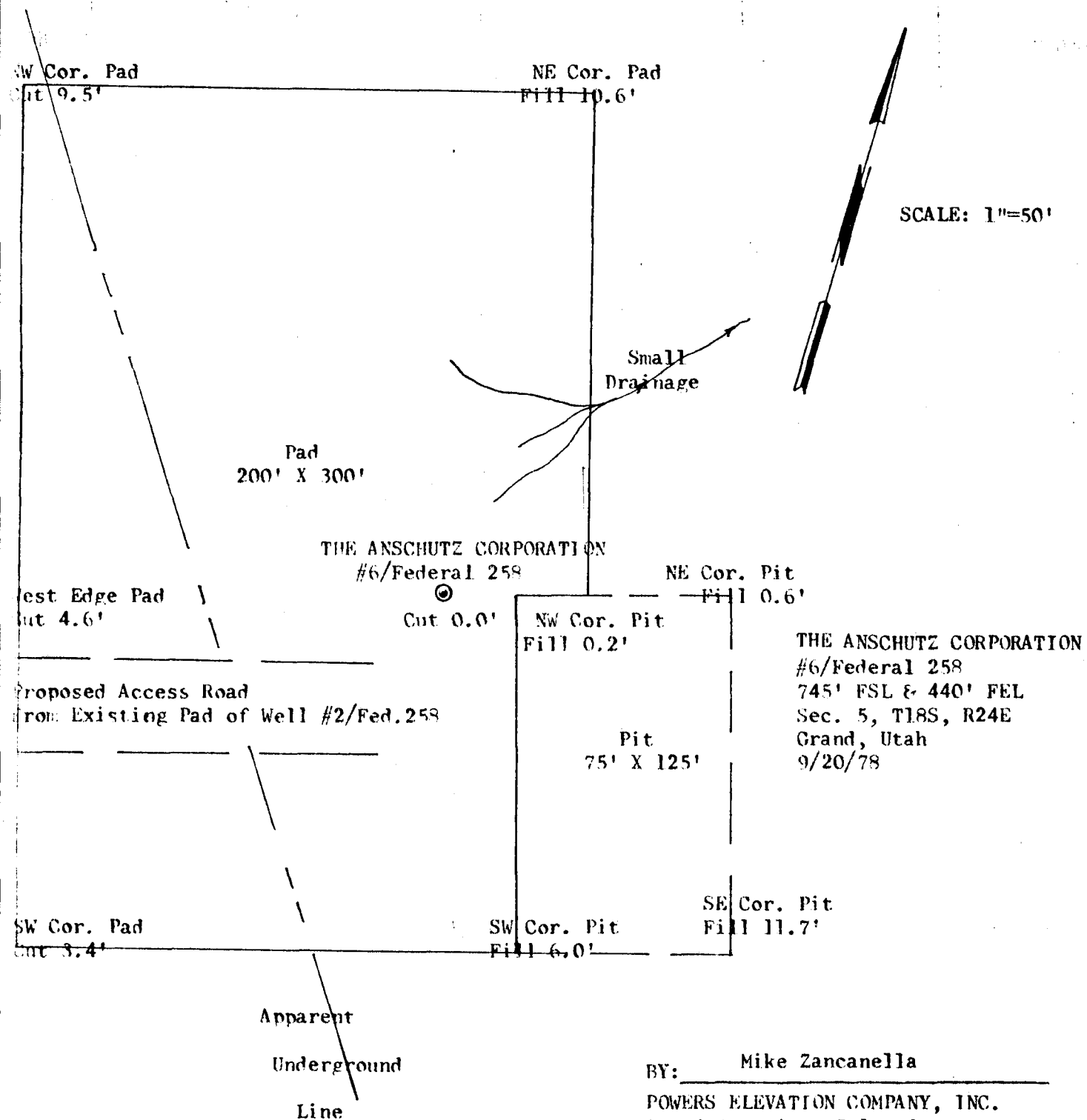
QUADRANGLE LOCATION

DRY CANYON, UTAH

N3915-W10915/7.5

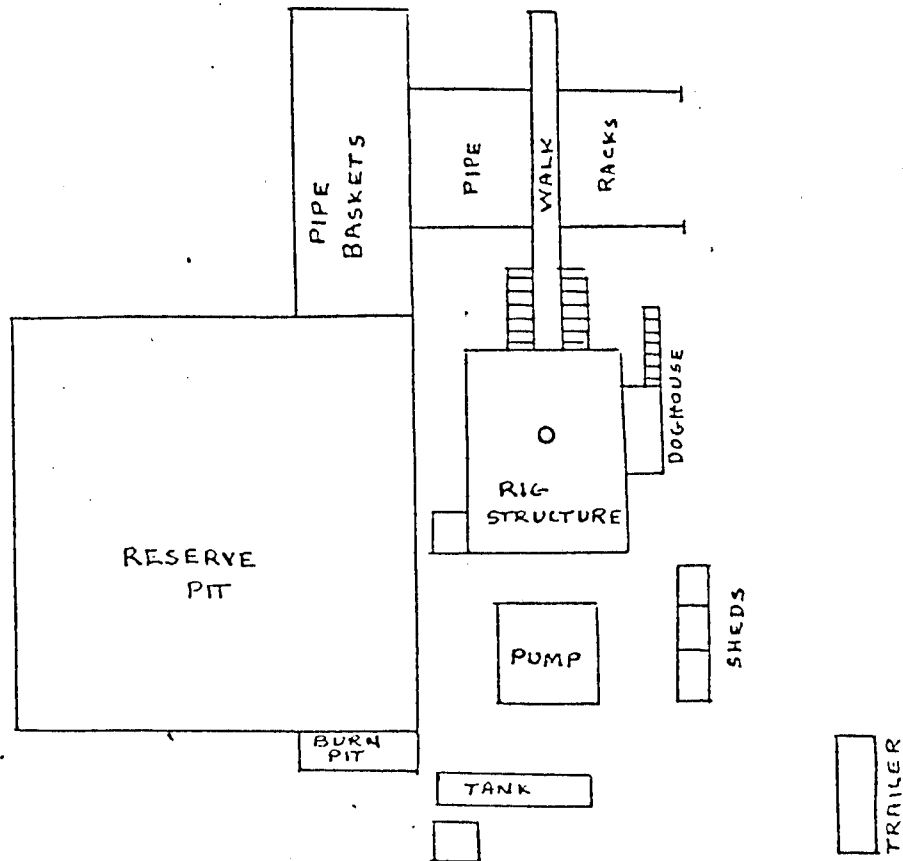
1970

AMS 4162 IV SE-SERIES V897



SIMPLIFIED RIG LAYOUT
SMALL LOCATION

EXHIBIT "G"



1. Rig will be oriented on drill pad as best suited for pits and topography
2. Each drill pad is immediately off of existing roads except #3 - Fed - 258 (See Exhibit "F" for its access)

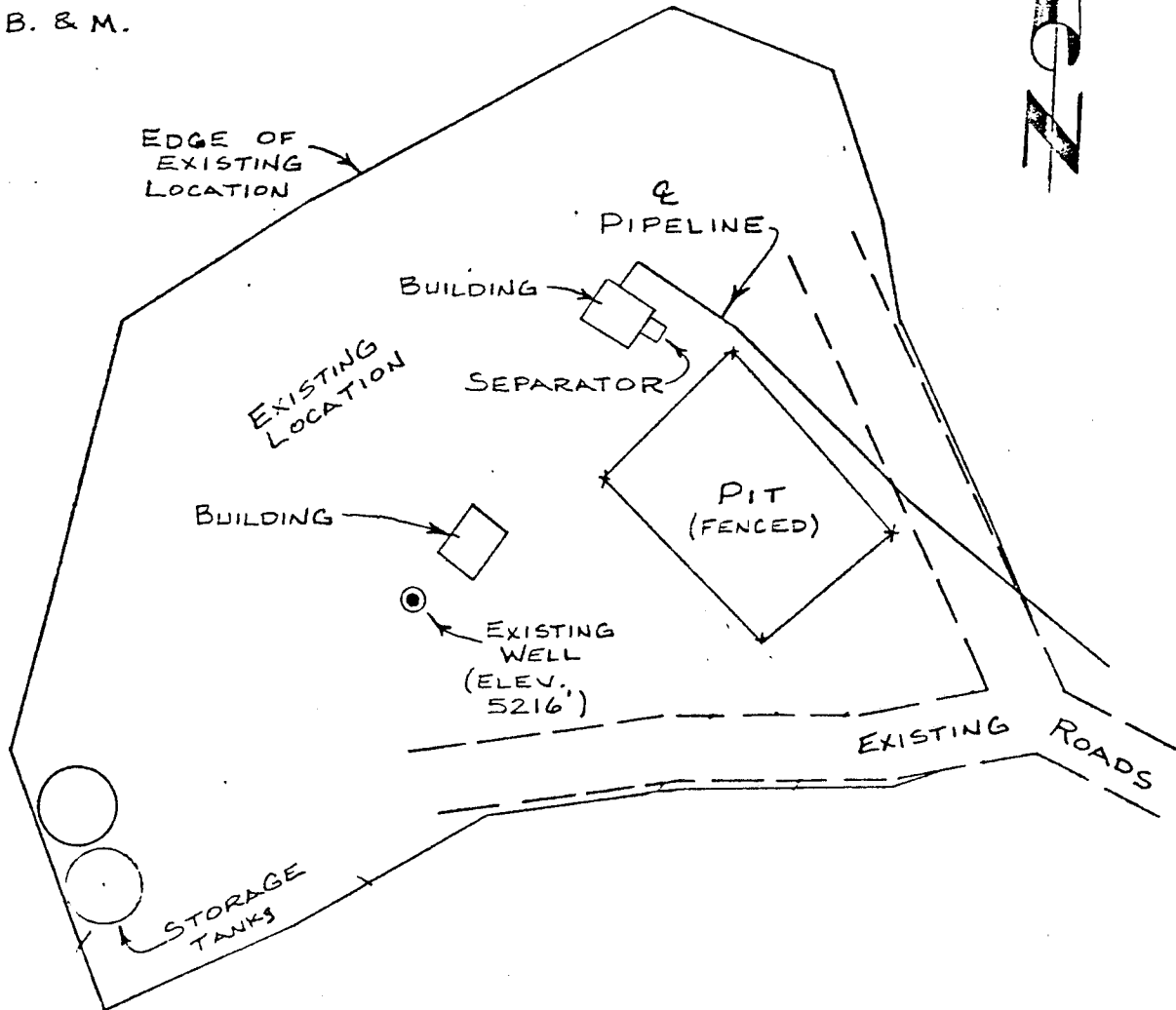
EXHIBIT "H"

ANSCHUTZ CORP.

LAYOUT OF EXISTING LOCATION
(FEDERAL 258 #1)

SECTION 5,
T18S,
R24E,
S.L.B. & M.

SCALE - 1" = 50'



Lease No.: U-14258; Well Name and No.: Federal 258 No. 6;
 Location: SE 1/4 SE 1/4 Section 5, T. 18S, R. 24E.

The Anschutz Corporation intends to drill a well on surface owned by Frank Spadafore. The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

☒ Yes ☐ No Maintain access road and provide adequate drainage to road.

☒ Yes ☐ No Reshape and reseed any disturbed area in excess of the pump and support facilities.

Other requirements: _____

The following work will be completed when the well is abandoned:

☒ Yes ☐ No Site will require reshaping to conform to existing topography.

☒ Yes ☐ No Pit will be fenced until dry, then filled to conform to topography.

☒ Yes ☐ No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:

<u>Indian Rice Grass 1.5 lb/acre</u>	<u>Globe Mallow 1 lb/acre</u>
<u>Four Wing Salt Buds 1 lb/acre</u>	<u>Shadscale 1 lb/acre</u>
<u>Sand Drop Seed 1.5 lb/acre</u>	_____

☒ Yes ☐ No Access road will be rehabilitated and reseeded using the same seed mixture as above.

☐ Yes ☒ No Access road will remain for landowner's use.

Other requirements: _____

Landowner

Name: Frank Spadafore
 Address: Spadafore Ranch
 City: Montrose
 State: Colorado
 Telephone: (303) 249-9745
 Date: September 29, 1978

Operator/Lessee

Name: The Anschutz Corporation
 Address: 555-17th Street, Suite 2400
 City: Denver
 State: Colorado
 Telephone: (303) 825-6100
 Date: September 29, 1978

☒ Yes ☐ No I certify rehabilitation has been discussed with the surface owner. Frank Spadafore

This agreement covers rehabilitation requirements only and does not affect any other agreement between the lessee/operator and surface owner.

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Oct. 12

Operator: Guschutz Corp.

Well No: Sec. 258 - #6

Location: Sec. 5 T. 18S R. 24E County: Grand

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

API Number: 43-019-30493

CHECKED BY:

Administrative Assistant: _____

Remarks: May be completed in sand other than
manas - Dakota or Deeper -

Petroleum Engineer: _____

Remarks: 7

Director: _____

Remarks: _____

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. _____

Surface Casing Change ☐
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site ☐

O.K. Rule C-3 ☐

O.K. In _____ Unit

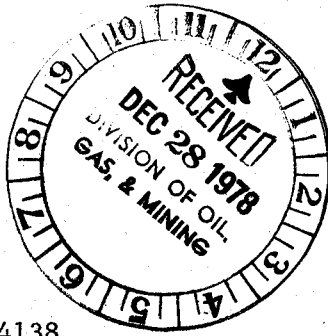
Other: _____

Rec'd for record well
drilled prior to approval
granted -

☐ Letter Written/Approved



2400 ANACONDA TOWER • 555 SEVENTEENTH STREET • DENVER, COLORADO 80202 • 303-825-6100 • TWX 910-931-2620



December 26, 1978

Mr. Edgar Guynn
District Engineer
U. S. Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Re: Federal 258 No. 6 Well
Sec. 5, T.18S-R.24E
Grand County, Utah

Dear Mr. Guynn:

Enclosed are an original and two copies of a Sundry Notice and Reports on Wells for the referenced location.

If you have any questions, please do not hesitate to call.

Thank you.

Very truly yours,

Peter B. Doty
Operations Coordinator

PBD/mle
Enclosures:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-14258	
2. NAME OF OPERATOR The Anschutz Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 2400 Anaconda Tower, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 440' FEL, 745' FSL		8. FARM OR LEASE NAME Federal 258	
14. PERMIT NO.		9. WELL NO. 6	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5140' GR		10. FIELD AND POOL, OR WILDCAT Spadafora Field	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T.18S-R.24E	
		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Request to change surface casing setting depth from 200' to 350' for the protection of water zones. The casing to be used will remain the same (8-5/8", 32#/ft).

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: _____

BY: _____

18. I hereby certify that the foregoing is true and correct

SIGNED Peter B. Doty

TITLE Operations Coordinator

DATE December 26, 1978

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELLS <input checked="" type="checkbox"/> GAS WELLS <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-14258	
2. NAME OF OPERATOR The Anschutz Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 2400 Anaconda Tower, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 440' FEL, 745' FSL		8. FARM OR LEASE NAME Federal 258	
14. PERMIT NO.		9. WELL NO. 6	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5140' GR		10. FIELD AND POOL, OR WILDCAT Spadafora Field	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T.18S-R.24E	
		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETION ☐
ABANDON* ☐
CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Request to change surface casing setting depth from 200' to 350' for the protection of water zones. The casing to be used will remain the same (8-5/8", 32#/ft).

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: _____

BY: _____

18. I hereby certify that the foregoing is true and correct

SIGNED Peter B. Doty

TITLE Operations Coordinator

DATE December 26, 1978

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-14258	
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		12. COUNTY OR PARISH Grand	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETION

ABANDON*

CHANGE PLANS

XX

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Request to change surface casing setting depth from 200' to 350' for the protection of water zones. The casing to be used will remain the same (8-5/8", 32#/ft).

APPROVED BY THE DIVISION OF
GAS, AND MINING

DATE: _____
BY: _____

18. I hereby certify that the foregoing is true and correct

SIGNED Peter B. Doty

TITLE Operations Coordinator

DATE December 26, 1978

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____



2400 ANACONDA TOWER
555 SEVENTEENTH STREET
DENVER, COLORADO 80202
TELEPHONE 303-825-6100
TWX 910-931-2620



May 18, 1979

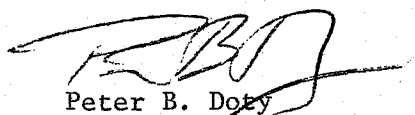
Mr. Ed Guynn, District Engineer
U. S. Geological Survey
8426 Federal Bldg.
125 S. State Street
Salt Lake City, Utah 84138

Re: Federal 258 No. 6
SE SE Sec. 5, T18S, R24E
Grand County, Utah

Dear Mr. Guynn:

Enclosed please find two copies of our Completion Report
(Form 9-330) on the subject well.

Sincerely,


Peter B. Doty
Operations Coordinator

PBD:jp

cc: ✓ Cleon Feight

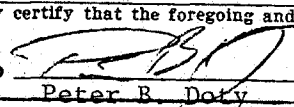
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

16

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____										5. LEASE DESIGNATION AND SERIAL NO. U-14258	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. ESVR. <input type="checkbox"/> Other _____										6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR THE ANSCHUTZ CORPORATION										7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 2400 Anaconda Tower, Denver, Colorado 80202										8. FARM OR LEASE NAME Federal 258	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface At top prod. interval reported below At total depth										9. WELL NO. 6	
14. PERMIT NO. _____ DATE ISSUED _____										10. FIELD AND POOL, OR WILDCAT	
15. DATE SPUDDED 12-28-78 16. DATE T.D. REACHED 1-11-79 17. DATE COMPL. (Ready to prod.) _____										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 5, T18S, R24E	
18. ELEVATIONS (DF, BEB, RT, GR, ETC.)* 5140' GR										12. COUNTY OR PARISH Grand	
19. ELEV. CASINGHEAD 5140										13. STATE Utah	
20. TOTAL DEPTH, MD & TVD 4468 KB 21. PLUG, BACK T.D., MD & TVD 4428 22. IF MULTIPLE COMPL., HOW MANY* _____										23. INTERVALS DRILLED BY _____	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* _____										25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN _____										27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8-5/8		24		341		12-1/4		250		-0-	
4-1/2		11.6		4474		7-7/8		300		-0-	
29. LINER RECORD											
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)			
30. TUBING RECORD											
SIZE		DEPTH SET (MD)		PACKER SET (MD)							
31. PERFORATION RECORD (Interval, size and number)											
4212-28, 2 SPF 14 gm 3698-3710, 2 SPF, 14 gm SQUEEZED 3698-3708, 2 SPF 14 gm											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.											
DEPTH INTERVAL (MD)						AMOUNT AND KIND OF MATERIAL USED					
3698-3710						1500 Gal 7-1/2% HCL Methanol:					
3698-3710						Sqz w/150 sx					
3698-3708						1500 gal 7-1/2% HCL Methanol					
3698-3708						21,000 gal 5% HCL+42,000#Sand					
33.* PRODUCTION											
DATE FIRST PRODUCTION N/A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in) Temp. Abandoned			
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY	
35. LIST OF ATTACHMENTS											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED  Peter B. Doty				TITLE Operations Coordinator				DATE 5/18/79			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DAKOTA	3690	3783	Oil and water
CEDAR MTN.	3783	3975	Wet
SALT WASH	3975	4464	Wet
ENTRADA	4464		

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Mancos	Surface	
Dakota	3690	
Cedar Mtn.	3783	
Salt Wash	3975	

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah

SERIAL No.: U-14258

and hereby designates

NAME: The Anschutz Corporation

ADDRESS: 2400 Anaconda Tower, Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T-13-S, R-24-E, SLM

Sec. 5: All

Sec. 8: All

Acres in Lease - 1,919.52

Acres in Designation - 1,279.52

Grand County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

NICOR EXPLORATION COMPANY

By: *Arthur Dahman*

(Signature of lessee)

P. O. Box 948

Naperville, Illinois 60540

(Address)

November 20, 1978

(Date)



2400 ANACOSTA TOWER • 555 SEVENTEENTH STREET • DENVER, COLORADO 80202 • 303-825-6100 • TWX 910-931-2620

gaps
August 3, 1979

Mr. Cleon Feight, Director
Utah Division of Oil, Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84116

Dear Jack,

This is to inform you that we have recently sold all of our interests in the South Flank of the Unita Basin and have turned operations of the following producing properties in Grand County to Narmco, Inc.:

<u>Lease</u>	<u>Well</u>	<u>Location</u>
Federal 258	1-A	Sec. 5 T18S, R24E
Federal 258	2	Sec. 5 T18S, R24E
<i>TA</i> Federal 258	6 <i>30403</i>	Sec. 5 T18S, R24E
Federal 675	1	Sec. 10 T20S, R21E
Federal 104	1	Sec. 4 T20S, R21E
Federal 769	2	Sec. 33 T19S, R21E
USA 4970	1	Sec. 4 T20S, R21E

Should any information be required on the above wells or any others which we operated in Grand County, I suggest you contact:

Narmco, Inc. Attn: Paul Hughes
P.O. Box 283
Houston, Texas 77001

If I can be of any further assistance please give me a call.

Sincerely,

P B Doty
Peter B. Doty
Operations Coordinator

PBD/bv

cc: Ed Guynn, USGS, SLC
Jean Laws, USGS, Casper
Jane Henry, USGS, Casper
Mr. Gail Prince, Utah Division of Lands



TEXOMA PRODUCTION COMPANY

P.O. BOX 283, HOUSTON, TEXAS 77001 • TELEPHONE (713) 621-9030

December 13, 1979

RECEIVED

DEC 17 1979

DIVISION OF
OIL, GAS & MINING

State of Utah
Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Susie Robertson
Statistician

Re: Lease - Federal 258, Well No. 1-A, Sec. 5 T18S, R24E — 43-019-30469 ✓
Federal 258, Well No. 2, Sec. 5, T18S, R24E — " " 30361 ✓
~~Federal 258, Well No. 6, Sec. 5, T18S, R24E — " " 746.~~
Federal 675, Well No. 1, Sec. 10, T20S, R21E — " " ✓
Federal 104, Well No. 1, Sec. 4, T20S, R21E — " " 30375 ✓
TA Federal 769, Well No. 2, Sec. 33 T19S, R21E — " " 30431 ✓
USA 4970, Well No. 1, Sec. 4, T20S, R21E < 30449 ✓

Dear Ms. Robertson:

Pursuant to your request, we are enclosing Report of Operations and Well Status Reports regarding the above captioned wells with the exception of Federal 258, Well No. 6. We will make an annual report on this well in January.

Our company name has been changed from Narmco, Inc. to Texoma Production Company and beginning with the October reports, they will be filed under the name of Texoma rather than Narmco.

If you have any questions concerning these reports, please contact this office.

Yours very truly,

Sharon H. Koudelka

Sharon H. Koudelka
Production Coordinator

SHK:pas
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-14258

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Anschutz 258-6

10. FIELD AND POOL, OR WILDCAT

W.C.

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 5, T18S,
R24E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL ☒ GAS ☐
WELL WELL OTHER

2. NAME OF OPERATOR

Texoma Production Company

3. ADDRESS OF OPERATOR

P. O. Box 283, Houston, Texas 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

SE SE

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5137 GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Completion attempted in Jan. - Feb. 1979. Well never produced.
T. D. 4477, P.B.T.D. 3820, Casing: 4½" 11.6 lb. at 4474; 8 5/8
at 341. Top cement 2800 ±. Open perforations 3698 to 3710.
Formation tops: Dakota 3695; Morrison 3785; Salt Wash 4209.
Propose:

- 1) Fill hole w/9 lb, 60 viscosity mud
- 2) Place cement plug No. 1 3820 up to 3600 w/20 sx reg. cmt.
- 3) Free point and cut off 4½ casing at 2800 ± and pull same.
- 4) Place cement plug No. 2 2900 up to 2700 w/40 sx reg. cmt.
- 5) Place cement plug No. 3 400 up to 300 w/30 sx reg. cmt.
- 6) Set 10 sk surface plug and regulation marker
- 7) Clean up and rehabilitate site.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Consulting Engineer

DATE Aug. 23, 1980

(This space for Federal or State office use)

APPROVED BY

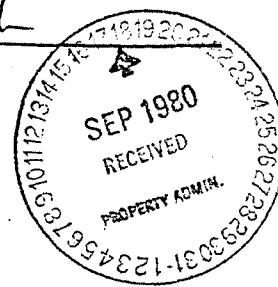
TITLE

FOR S.W. GUYNN
DISTRICT ENGINEER

DATE

AUG 26 1980

CONDITIONS OF APPROVAL, IF ANY:



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-14258

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL
WELL ☒ GAS
WELL ☐ OTHER

2. NAME OF OPERATOR

Texoma Production Company

3. ADDRESS OF OPERATOR

P.O. Box 283, Houston, Texas 77001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

SE SE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Anschutz 258-6

10. FIELD AND POOL, OR WILDCAT

W.C.

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 5, T18S, R24E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, CR, etc.)

5137 GR

12. COUNTY OR PARISH

Grand

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☒
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Abandonment Procedure Follows:

1. Circulate 50 BBL 9#, 60 Vis mud.
2. Tagged bottom at 3795'.
3. Set 20 sx cement plug between 3795' & 3600'.
4. Freepoint & cut off 4½" Csg at 2297'.
5. Set 40 sx cement plug between 2200' & 2400'. Fluid would not circulate so set 10 sx cement plug at 1073'. (estimated fluid level). Shut down & wait 14 hrs.
6. RIH with wireline & tagged cement plug at 1900'.
7. Circulated well with 9# 60 Vis mud again.
8. Set 30 sx cement plug between 300' & 400'. Shut down & wait 12 hrs.
9. Tagged cement at 345' & set 25 sx plug at 345'.
10. Set 10 sx surface plug & dry hole marker.
11. Cleaned up & rehabilitated location.

18. I hereby certify that the foregoing is true and correct

SIGNED

J. M. Burkhart

TITLE

Consulting Engineer

DATE

9-23-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 23, 1982

Narmco, Inc./ Buckhorn Petroleum
1625 Broadway, Suite 1200
P. O. Box 5928
Denver, Colorado 80202

Re: Well No. Federal 258-6
Sec. 5, T. 18S, R. 24E.
Grand County, Utah

Gentlemen:

The above referred to well has been currently under a temporarily abandoned status for six months or longer. Please inform this office of the current status of this well location and send in the necessary required papers.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist



May 5, 1982

Cari Furse
STATE OF UTAH NATURAL RESOURCES & ENERGY
4241 State Office Bldg.
Salt Lake City, Utah 84114

Re: Federal 258-6
SE SE S5-T18S-R24E
Grand County, Utah

Dear Cari,

Attached are the following:

1. Designation of Operator (Nicor to Anschutz)
2. Sundry Notice - intent to abandon subject well
3. Well Status Report
4. Sundry Notice - subsequent report of abandonment
5. Transfer assignment (Texoma to Buckhorn)

Please note that the Federal 258-6 is also referred to as the Anschutz 258-6. The latter is a mis-nomer, but the two are one and the same well. There is no record in our files of a change of operator nor transfer of assignment from Anschutz to Texoma, which used to be Narmco, and is now Buckhorn. Since the well was P&A'd prior to Buckhorn assuming the lease, there will be no change of operator filed, but there is a transfer assignment as above mentioned from Texoma to Buckhorn.

Please give me a call if you have any further questions.

Sincerely,

Pamela J. Rader
Pamela J. Rader, Tech. Assist.
BUCKHORN PET./EXETER EXPL. CO.

RECEIVED
MAY 10 1982

**DIVISION OF
OIL, GAS & MINING**

/pr

xc: File

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

122
143-48267
FORM APPROVED
OMB NO. 42-R1599

Serial No. **U14258**
New Serial No.

ASSIGNMENT AFFECTING RECORD TITLE
TO OIL AND GAS LEASE
PART I

Buckhorn Petroleum
P.O. Box 5928, T.A.
Denver, Colorado 80217

The undersigned, as owner of **50** percent of record title of the above-designated oil and gas lease issued effective (date) **May 1, 1971**, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment (43 CFR 3101.2-3)

Township 18 South, Range 24 East, SLM

Section 5: All

Section 8: All

Section 17: All

Containing 1,919.52 acres, more or less, in Grand County, Utah.

3. What part of assignor(s) record title interest is being conveyed to assignee? (Give percentage or share) **100%**

4. What part of the record title interest is being retained by assignor(s)? **None**

5a. What overriding royalty or production payments is the assignor reserving herein? (See Item 4 of General Instructions; specify percentage.) **None**

b. What overriding royalties or production payments, if any, were previously reserved or conveyed? (Percentage only) **6.50%**

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17½ percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

PART II

ASSIGNEE'S REQUEST FOR APPROVAL OF ASSIGNMENT

A. ASSIGNEE CERTIFIES THAT

1. Assignee is over the age of majority
2. Assignee is a citizen of the United States
3. Assignee is ☐ Individual ☐ Municipality ☐ Association ☐ Corporation
4. Assignee is the sole party in interest in this assignment (information as to interests of other parties in this assignment must be furnished as prescribed in Specific Instructions)
5. Filing fee of \$25 is attached (see Item 2 of General Instructions)
6. Assignee's interests, direct and indirect, do not exceed 200,000 acres in oil and gas options, or 246,080 chargeable acres in options and leases in the same state, or 300,000 chargeable acres in leases and options in each leasing district in Alaska.

B. ASSIGNEE AGREES to be bound by the terms and provisions of the lease described here, provided the same

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ASSIGNMENT AFFECTING RECORD TITLE
TO OIL AND GAS LEASE
PART I

Buckhorn Petroleum
P.O. Box 5928, T.A.
Denver, Colorado 80217

FORM APPROVED
OMB NO. 42-R1599

Serial No. **U14258**

New Serial No.

The undersigned, as owner of **50** percent of record title of the above-designated oil and gas lease issued effective (date) **May 1, 1971**, hereby transfers and assigns to the assignee shown above, the record title interest in and to such lease as specified below.

2. Describe the lands affected by this assignment (43 CFR 3101.2-3)

Township 18 South, Range 24 East, SLM

Section 5: All

Section 8: All

Section 17: All

Containing 1,919.52 acres, more or less, in Grand County, Utah.

3. What part of assignor(s) record title interest is being conveyed to assignee? (Give percentage or share) **100%**

4. What part of the record title interest is being retained by assignor(s)? **None**

5a. What overriding royalty or production payments is the assignor reserving herein? (See Item 4 of General Instructions; specify percentage.) **None**

b. What overriding royalties or production payments, if any, were previously reserved or conveyed? (Percentage only) **6.50%**

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17½ percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this **2nd** day of **February**, 19 **81**

TEXOMA PRODUCTION COMPANY

P.O. Box 90996

(Assignor's Address)

Rodney W. Smith - Vice President

ATTEST:

T.P. Karka - Assistant Secretary

Houston, TX 77090

(City)

(State)

(Zip Code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNITED STATES OF AMERICA

Assignment approved as to the lands described below: **SAME LAND AS ITEM 2**

8001011

Assignment approved effective **MAY 1 1981**

By

(Authorized Officer)

CHIEF, MINERALS SECTION

(Title)

JAN 25 1982

(Date)

NOTE: This form may be reproduced provided that copies are exact reproductions on one sheet of both sides of this official form in accordance with the provisions of 43 CFR 3106

PART II

ASSIGNEE'S REQUEST FOR APPROVAL OF ASSIGNMENT

A. ASSIGNEE CERTIFIES THAT

1. Assignee is over the age of majority
2. Assignee is a citizen of the United States
3. Assignee is ☐ Individual ☐ Municipality ☐ Association ☐ Corporation
4. Assignee is the sole party in interest in this assignment (*information as to interests of other parties in this assignment must be furnished as prescribed in Specific Instructions*)
5. Filing fee of \$25 is attached (*see Item 2 of General Instructions*)
6. Assignee's interests, direct and indirect, do not exceed 200,000 acres in oil and gas options, or 246,080 chargeable acres in options and leases in the same state, or 300,000 chargeable acres in leases and options in each leasing district in Alaska.

B. ASSIGNEE AGREES to be bound by the terms and provisions of the lease described here, provided the assignment is approved by the Authorized Officer of the Bureau of Land Management.

C. IT IS HEREBY CERTIFIED That the statements made herein are true, complete, and correct to the best of undersigned's knowledge and belief and are made in good faith.

Executed this day of , 19

(Assignee's Signature)

(Address, include zip code)

Title 18 U.S.C., Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

GENERAL INSTRUCTIONS

1. *Use of form* — Use only for assignment of record title interest in oil and gas leases. *Do not use for assignments of working or royalty interests, operating agreements, or subleases.* An assignment of record title may only cover lands in one lease. If more than one assignment is made out of a lease, file a separate instrument of transfer with each assignment.
2. *Filing and number of copies* — File three (3) completed and manually signed copies in appropriate BLM office. A \$25 nonrefundable filing fee *must* accompany assignment. File assignment within ninety (90) days *after* date of final execution.
3. *Effective date of assignment* — Assignment, if approved, takes effect on the first day of the month following the date of filing of *all* required papers.
4. *Overriding royalties or payments out of production* — Describe in an accompanying statement any overriding royalties or payments out of production created by assignment but not set out therein. If payments out of production are reserved by assignor, outline in detail the amount, method of payment, and other pertinent terms.
5. *Effect of Assignment* — Approval of assignment of a definitely described portion of the leased lands creates separate leases. Assignee, upon approval of assignment, becomes lessee of the Government as to the assigned interest and is responsible for complying with *all* lease terms and conditions, including timely payment of annual rental and maintenance of any required bond; *except* in the case of assignment of undivided interests, royalties, and operating agreements.
6. A copy of the executed lease, out of which this assignment is made, should be made available to assignee by assignor.

SPECIFIC INSTRUCTIONS

(Items not specified are self-explanatory)

PART I

Item 1 — Type or print plainly, in ink, between and below heavy dots, the assignee's full name and mailing address, including zip code.

PART II

A. Certification of assignee

3. If assignee is an association or partnership, assignee *must* furnish a certified copy of its articles of association or partnership, with a statement that (a) it is authorized to hold oil and gas leases; (b) that the person executing the assignment is authorized to act on behalf of the organization in such matters; and (c) names and addresses of members controlling more than 10% interest.

If assignee is a corporation, it *must* submit a statement containing the following information: (a) State in which it was incorporated; (b) that it is authorized to hold oil and gas leases; (c) that officer executing assignment is authorized to act on behalf of the corporation in such matters; and (d) percentage of voting stock and percentage of *all* stock owned by

aliens or those having addresses outside the United States. If 10 percent or more of the stock of any class is owned or controlled by or on behalf of any one stockholder, a separate showing of his citizenship and holdings *must* be furnished.

If evidence of qualifications and ownership has previously been furnished as required by the above, reference by serial number of record in which it was filed together with a statement as to any amendments. Qualifications of assignee *must* be in full compliance with the regulations (43 CFR 3102).

4. *Statement of interests* — Assignee *must* indicate whether or not he is the sole party in interest in the assignment; if not, assignee *must* submit, at time assignment is filed, a signed statement giving the names of other interested parties. If there are other parties interested in the assignment, a separate statement *must* be signed by each and assignee giving the nature and extent of the interest of each, the nature of agreement between them, if oral; and a copy of agreement, if written. *All* interested parties *must* furnish evidence of their qualifications to hold such lease interests. Separate statements and written agreements, if any, *must* be filed no later than fifteen (15) days after filing assignment.